

Textile Products Division

CIBA-GEIGY Corporation
P.O. Box 18300
Greensboro, North Carolina 27419-8300
Telephone 919 632 6000

Contains NO CBI

CIBA-GEIGY

TSCA DOCUMENT RECEIPT CARD

92 SEP 10 PM 1:21

8E HQ -92-12129

INIT

88920010367

(A)

September 4, 1992

Document Processing Center (TS-790)
Office of Toxic Substances
Environmental Protection Agency
401 M. Street, SW
Washington, DC 20460

Attention: Section 8(e) Coordinator (CAP Agreement)

RE: 8E CAP - 0024

Dear Section 8(e) Coordinator:

Enclosed are triplicate copies of a study CIBA-GEIGY Corporation is submitting pursuant to the TSCA Section 8(e) Compliance Audit Program and CAP Agreement number 8E CAP-0024. We are submitting the following information, as required by the CAP Agreement:

Company Name: CIBA-GEIGY Corporation
444 Saw Mill River Road
Ardsley, New York 10502-2699

Attention: Mr. Anthony Di Battista
Manager, Regulatory Affairs & Toxic Substances
Compliance
Telephone (914) 479-2776

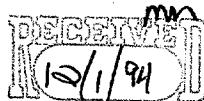
Tested Chemical: 2,7-Naphthalenedisulfonic acid, 4-amino-3-[(4-aminophenyl)azo]-5-hydroxy-6-(phenylazo)-, disodium salt
also identified as: Acid Green Black B

CAS No.: 5850-39-5

Report Title: Test for Single Dose/Oral LD 50 in Rats
(Project number MB 80-4641 A, dated 7/25/80)

Summary:

Five rats/sex were dosed orally with the test material at doses ranging from 1.95 to 8.01 gm/kg. Mortality was observed at all dose levels and an LD₅₀ value of 3.0 gm/kg was calculated. Lethargy, ataxia, piloerection, chromodacryorrhea, tremors, ptosis, and hyperactivity were noted at all dose levels but, in general, cleared by day 3. Based on these findings, the test material appears to exhibit neurotoxicity potential at high oral doses.



"THE POWER OF PARTNERSHIP"

Textile Products Division

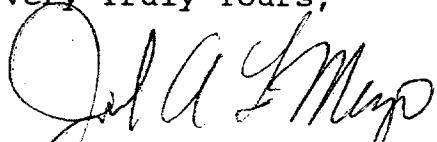
(D)

Category: Unit II.B.2.b

Prior Reporting: Not Applicable

Please call the undersigned at telephone number (919) 632-2889
if you have any questions about this submittal.

Very Truly Yours,



Joseph A. LoMenzo, Ph.D.
Product Stewardship Director
Textile Products Division

Enclosures

2 copies of this letter
3 copies of the study

cc: A. Di Battista

MB Research Laboratories, Inc.

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

FOR: TOMS RIVER CHEMICAL CORPORATION

Project number: MB 80-4641 A

steinsburg and wentz roads
post office box 178
spinnerstown, pennsylvania 18968
215-536-4110

Test started : 5/16/80
Test ended : 6/25/80

Objective : To determine oral toxicity
and/or oral LD 50

MATERIALS

Sample label : Acid Green Black B

Sample received : 5/05/80

TR number : 1076-00

Concentration : 100%; Mix #20

Description : Black Powder-used as 45% w/v mixture in distilled water

ANIMALS

Supplier(s) : Ace Animals

Weight range : 180 - 243 g

Sex : 25 Males-25 Females

Wistar rats, approximately 8 weeks old when received, were equilibrated for at least one week in this laboratory. Apparently healthy rats were selected for the test.

The animals were identified by cage tags noting the test material, starting date, animal number and sex. In addition, each rat was identified with an indelible body mark.

The animals were housed 5/cage in suspended wire mesh cages. Fresh Purina rat chow and water were freely available except for 16-20 hours prior to dosing when food was removed. The animal room, reserved exclusively for rodents on acute tests, was temperature controlled and was kept clean in accordance with the standards of AAALAC of which this laboratory is an approved member.

METHODS

Treatment - The test material was given orally by syringe and a dosing needle. One group of 5 male and 5 female rats was initially dosed at 5.0 g/kg. If two or more rats of the same sex die, or if three or more rats of either sex died at the initial dose level of 5.0 g/kg, a preliminary screen was run prior to selecting doses for the LD 50. Based on the results of the preliminary screen, doses were selected in an attempt to achieve an adequate dose response curve for calculation of an LD 50. If a 5.0 g/kg level was necessary for calculation of the LD 50, it was repeated. All dose levels were run simultaneously. For liquid materials, the dose was based on the sample weight as calculated from the specific gravity. The vehicle, if any, was chosen because of its lack of known toxicity, lack of physiological effect and because it is relatively unreactive with other chemical substances.

Observations - The rats were observed 1, 2 and 4 hours after dosing and once daily for 14 days. Mortality, toxicity and pharmacological effects were recorded. Body weights were recorded pretest and in the survivors at 14 days.

MD
31-02

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Page -2-

Project #: MB 80-4641 A

Sample #: 1076-00

Termination - At 14 days the survivors were sacrificed. All animals were examined for gross pathology.

The LD 50 was calculated, if possible, according to the method of Litchfield, J.T. Jr., & F. Wilcoxon, JPET 96:99, 1949 or Horn H.J. Biometrics 12:311, 1956.

R E S U L T S

MORTALITY :	Dose g/kg	Dead/Treated		Day of Death (M/F)		
		Males	Females	1	2	3
Initial Dose:	5.0	3/5	3/5	2/2	1/1	
LD 50 Doses :	1.95	0/5	2/5	0/1	0/1	
	3.12	3/5	3/5	3/3		
	5.0	4/5	5/5	2/3	2/0	0/2
	8.01	3/5	2/5	1/1	1/1	1/0

LD 50: 3.9 (2.19 - 6.9) g/kg of body weight (METHOD OF LITCHFIELD & WILCOXON)

M E A N B O D Y W E I G H T S

		MALES		FEMALES	
		Day 0	Day 14	Day 0	Day 14
Initial Dose					
5.0 g/kg	Mean	224.6	333.5	189.2	274.5
	S.D.	14.8	40.3	5.6	0.7
	#An.'s	5	2	5	2
LD 50 Doses					
1.95 g/kg	Mean	208.2	318.6	186.4	259.3
	S.D.	5.1	15.2	5.9	6.7
	#An.'s	5	5	5	3
3.12 g/kg:	Mean	211.6	314.0	190.8	278.5
	S.D.	10.4	9.9	9.8	6.4
	#An.'s	5	2	5	2
5.0 g/kg:	Mean	205.0	-----	186.6	-----
	S.D.	5.0	-----	3.5	-----
	#An.'s	5	-----	5	-----
8.01 g/kg:	Mean	204.6	264.5	188.0	264.7
	S.D.	7.2	29.0	5.1	28.0
	#An.'s	5	2	5	3

S.D. = Standard Deviation

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Project #: MB 80-4641 A

Page -3-

Sample #: 1076-00

PRINCIPLE TOXIC SIGNS

<u>OBSERVATIONS</u>	DOSE g/kg:	5.0		1.95		3.12		5.0		8.01	
		WEEK :		1	2	1	2	1	2	1	2
		SEX :		M/F	M/F	M/F	M/F	M/F	M/F	M/F	M/F
Lethargy		1/0			3/2		2/2	1/0	3/3		2/0
Flaccid				2/1					2/2		1/1
Diarrhea		1/0			1/0						5/5
Ataxia		0/1			4/4		2/1		3/3		3/1
Piloerection				3/1			2/0	0/2	1/0	0/1	0/3
Chromodacryorrhea		0/1						1/0			3/0
Tremors		0/3			5/1		2/2		3/2		3/1
Ptosis						2/0	2/2	2/2			4/1
Hyperactive		2/3	2/0				2/2	2/2	0/1		
Eyes bulging				0/1			1/1		0/3		2/3
Throat and cheeks swollen							2/1		2/4		4/0
Throat area swollen				3/1							

PRINCIPLE NECROPSY OBSERVATIONS

	DOSE g/kg:	5.0		1.95		3.12		5.0		8.01	
		S	D	S	D	S	D	S	D	S	D
Normal		4		8		4		1		5	
Lungs congested			6		1		6		9		3
Heart dilated			6		1		6		9		3
Pleural cavity-excess fluid			4				1		4		2
Stomach distended			6		1		6		9		3
Intestines distended by mucus			6		1		6		9		3

CODE: D = death, S = sacrifice

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Page -4-

Project #: MB 80-4641 A

Sample #: 1076-00

C O N C L U S I O N

The LD 50 is 3.9 g/kg of body weight.

S U M M A R Y O F D A T A

5 male and 5 female rats/group were dosed orally with Acid Green Black B at 1.95, 3.12, 5.0 and 8.01 g/kg. Deaths occurred at all dose levels generally by Day 2. The LD 50 was calculated as 3.9 g/kg of body weight.

Lethargy, ataxia, piloerection, chromodacryorrhea, tremors, ptosis, hyperactivity and bulging eyes and swollen throat, noted at all dose levels, generally cleared by Day 3.

Body weights and necropsy findings of survivors were normal. Spontaneous deaths had heart, lung and gastrointestinal abnormalities.

Q U A L I T Y A S S U R A N C E E V A L U A T I O N

The quality assurance unit reviewed various aspects of the study, raw data and final report on the following dates;

May 29, 1980
June 30, 1980
July 21, 1980

Jon S. Harwick 7-29-80
Jon S. Harwick
Quality Assurance

Respectfully submitted,
Oscar M. Moreno 7/24/80
Oscar M. Moreno, Ph.D.
Daniel R. Cerven 29 July 80
Daniel R. Cerven, Study Director
Elizabeth J. Altenbach 7-15-80
Elizabeth J. Altenbach, Archivist
Submitted: 7/25/80

The raw data is filed at MB Research by project number.
The final report is filed by sponsor name and project number.

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Page -5-

Project #: MB 80-4641 A
Sample #: 1076-00

BODY WEIGHTS AND DOSE VOLUME:

Initial Dose:

5.0 g/kg:	<u>An. #</u> <u>& Sex</u>	Dose Volume cc	<u>WEIGHTS - g</u>	
			Day 0 g	Day 14 g
	1-M	2.7	243	305
	2-M	2.6	236	DEAD DAY 1
	3-M	2.4	212	362
	4-M	2.5	223	DEAD DAY 1
	5-M	2.3	209	DEAD DAY 2
	6-F	2.0	184	274
	7-F	2.1	185	275
	8-F	2.2	198	DEAD DAY 1
	9-F	2.1	191	DEAD DAY 1
	10-F	2.1	188	DEAD DAY 2

LD 50 Doses:

1.95 g/kg:	1-M	0.92	213	301
	2-M	0.90	208	323
	3-M	0.87	200	337
	4-M	0.92	212	327
	5-M	0.90	208	305
	6-F	0.82	190	255
	7-F	0.81	187	DEAD DAY 2
	8-F	0.78	181	DEAD DAY 1
	9-F	0.84	194	267
	10-F	0.78	180	256
3.12 g/kg:	11-M	1.5	212	DEAD DAY 1
	12-M	1.4	206	DEAD DAY 1
	13-M	1.5	212	321
	14-M	1.4	200	307
	15-M	1.6	228	DEAD DAY 1
	16-F	1.2	180	DEAD DAY 1
	17-F	1.4	196	283
	18-F	1.3	186	DEAD DAY 1
	19-F	1.4	205	274
	20-F	1.3	187	DEAD DAY 1

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Project #: MB 80-4641 A

Page -6-

Sample #: 1076-00

BODY WEIGHTS AND DOSE VOLUME (cont'd):

5.0 g/kg:	An. # & Sex	Dose Volume cc	WEIGHTS - g	
			Day 0 g	Day 14 g
	21-M	2.3	209	305
	22-M	2.2	200	DEAD DAY 2
	23-M	2.4	211	DEAD DAY 1
	24-M	2.4	205	DEAD DAY 2
	25-M	2.2	200	DEAD DAY 1
	26-F	2.0	181	DEAD DAY 1
	27-F	2.1	189	DEAD DAY 1
	28-F	2.1	187	DEAD DAY 1
	29-F	2.1	190	DEAD DAY 3
	30-F	2.1	186	DEAD DAY 3
8.01 g/kg:	31-M	3.6	200	285
	32-M	3.6	201	DEAD DAY 3
	33-M	3.6	205	DEAD DAY 2
	34-M	3.9	217	244
	35-M	3.6	200	DEAD DAY 1
	36-F	3.3	183	DEAD DAY 2
	37-F	3.5	196	292
	38-F	3.4	188	266
	39-F	3.4	189	DEAD DAY 1
	40-F	3.3	184	236

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS
Page -7-

TOXICITY
SINGLE DOSE

Project #: MB 80-4641 A
Sample #: 1076-00

AN.# & Sex	DAY													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1-M														
2-M														
3-M														
4-M														
5-M														
6-F														
7-F														
8-F														
9-F														
10-F														

AT ALL TIMES NOT MENTIONED, ALL ANIMALS APPEARED NORMAL.

CODE: B = lethargy J = chromatodacryorrhea
D = diarrhea N = tachypnea
E = ataxia O = tremors

Z = dead
1 = hyperactive
2 = anogenital area stained blue

NECROPSY OBSERVATIONS:	1-M	2-M	3-M	4-M	5-M	6-F	7-F	8-F	9-F	10-F
	<u>S</u>	<u>D</u>	<u>S</u>	<u>D</u>	<u>S</u>	<u>X</u>	<u>S</u>	<u>X</u>	<u>D</u>	<u>D</u>
Nose/mouth stained blue	X		X							
Anogenital area stained blue		1		1	1					
Lungs congested		3		2	2					
Heart dilated		2		2	3					
Pleural cavity-excess fluid		1		3	3					
Stomach distended		3		3	3					
Intestines distended by mucus		3		3	3					
Body wall stained blue					X			X		

CODE: D = death, S = sacrifice
1 = slight or scattered
2 = moderate or few
3 = pronounced or many
X = present

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Page -8-

@ 1.95 g/kg

HOUR

Project #: MB 80-4641 A

Sample #: 1076-00

TOXICITYLD 50 DOSE

AN.# & Sex	1	2	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14
------------	---	---	---	---	---	---	---	---	---	---	---	---	----	----	----	----	----

1-M																	
2-M	2	2	2														
3-M																	
4-M																	
5-M			D2														
6-F			2														
7-F																	
8-F																	
9-F																	
10-F																	

BFQC	026	026	2														
BFQO	BFCO	BFCE	J	2	2												
CE26	E26	026															
E0	20	20															
E02	026	026															
BFQE2	02	02															
E	E2	E2															
BFQC	Z																
E6																	
Z																	
3	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2	E2
0QEB																	

Q

AT ALL TIMES NOT MENTIONED, ALL ANIMALS APPEARED NORMAL.

CODE: B = lethargy E = ataxia
 C = flaccid F = piloerection
 D = diarrhea J = chromodacryorrhea

0 = tremors 2 = anogenital area stained blue
 Q = ptosis 3 = eyes bulging
 Z = dead 6 = throat area swollen

NECROPSY OBSERVATIONS:	1-M	2-M	3-M	4-M	5-M	6-F	7-F	8-F	9-F	10-F
	S	S	S	S	S	S	S	D	S	S

Normal
 Cannibalized
 Lungs congested
 Heart dilated
 Stomach distended
 Intestines distended by mucus

CODE: D = death, S = sacrifice
 1 = slight or scattered
 2 = moderate or few
 X = present

2
 2
 1
 2
 1
 2

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Page -9-

TOXICITY
LD 50 DOSE

AN. & Sex	HOUR				DAY				TOXICITY									
	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14
11-M					Z													
12-M					Z													
13-M					QBE0	QBE0	Q14	Q1	Q1	F1	F	F	F	BF	F	F	F	
14-M					14	14	14											
15-M					BQE0	BQE0	BQE0	41Q	Q1	F1	F	F	F	F	F	F	F	
16-F					14	14	14											
17-F					Z	Z	E14	E14	E1	1	1	1	1	1	1	1	1	1
18-F					BQ0	E1	E1	E1	1	1	1	1	1	1	1	1	1	1
19-F					Z	Z												
20-F																		

AT ALL TIMES NOT MENTIONED, ALL ANIMALS APPEARED NORMAL.

CODE: B = lethargy 0 = tremors 1 = hyperactive
 E = ataxia Q = ptosis 3 = eyes bulging
 F = piloerection Z = dead 4 = throat and cheeks swollen

NECROPSY OBSERVATIONS:	11-M	12-M	13-M	14-M	15-M	16-F	17-F	18-F	19-F	20-F
	D	D	S	S	D	D	S	D	S	D
Normal										
Lungs congested	2	1								
Heart dilated	2	2								
Pleural cavity-excess fluid			3							
Stomach distended	3	2								
Intestines distended by mucus	3	3								
Peritoneal tissues stained blue			3	3						
	X	X								

CODE: D = death, S = sacrifice
 1 = slight or scattered
 2 = moderate or few
 3 = pronounced, or many
 X = present

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS
Page -10-

TOxicity
LD 50 DOSE

Project #: MB 80-4641 A
Sample #: 1076-00

AN.#	Sex	HOUR				DAY			
		1	2	4	.	1	2	3	4
21-M						BCEQ	JCOE	OEJC	BE245
						04	24	24	JB2
22-M					2	OEB	Z	Z	2
23-M					2	LBCE	Z	Z	2
24-M						0024	Z	Z	
25-M						Z	Z	Z	
26-F					2	Z	Z	Z	
27-F					3	Z	Z	Z	
28-F					BE	B	FBQO	FBQO	FBQE
29-F					1	3	EC24	E24	024Z
							FBQO	FBQO	BOQ
							CE24	CE24	CF24Z
30-F									

AT ALL TIMES NOT MENTIONED, ALL ANIMALS APPEARED NORMAL.

CODE: B = lethargy F = piloerection 0 = tremors 1 = hyperactive
C = flaccid J = chromodacryorrhea Q = ptosis 2 = anogenital area stained blue
E = ataxia L = chromorhinorrhea Z = dead 3 = eyes bulging 4 = throat and cheeks
5 = body surfaces blue

<u>NECROPSY OBSERVATIONS:</u>	21-M	22-M	23-M	24-M	25-M	26-F	27-F	28-F	29-F	30-F
	S	D	D	D	D	D	D	D	D	D
Normal	X									
Nose/mouth stained blue										
Anogenital area stained blue										
Lungs congested	1	1	1	1	1	1	1	1	1	1
Heart dilated	2	2	2	2	2	2	2	2	2	2
Pericarditis										
Pleural cavity-excess fluid										
Stomach distended	2	3	3	3	3	2	2	2	1	1
Intestines distended by mucus	3	3	3	3	3	3	3	3	3	3
Peritoneal cavity stained blue	1	X	1	X	X	X	X	X	3	3

CODE: D = death, S = sacrifice
1 = slight or scattered
2 = moderate or few: 3 = moderate or few: X = innocent

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Page -11-

TOXICITY
LD 50 DOSEProject #: MB 80-4641 A
Sample #: 1076-00

AN. # & Sex	@ 8.01 g/kg	HOUR	DAY	TOXICITY												
				1	2	3	4	5	6	7	8	9	10	11	12	13
31-N		2	D2	25	25Q04	EJ245	CJ25	J25	25	25	25	25	25	25	B25	25
32-M		BQE	BDE2	QLJ25	0245	Z	QLBJ	Z								
33-M		23	D23	24	02345	E245	25	25	25	25	25	25	25	25		
34-M		BQ	BQD2	25	02345	E245	25	25	25	25	25	25	25	25		
35-M		2	D2	Z	CE25	Z	235	235	235	25	25	25	25	25		
36-F	2	2	D23	25	235	235	235	25	25	25	25	25	25	25	F25	
37-F	2	23	D23	25	235	235	235	25	25	25	25	25	25	25	F25	
38-F	2	FQ2	D2	Z	025	235	235	25	25	25	25	B25	B25	25		
39-F	2	23	DN2	025	235	235	25	25	25	25	B25	B25	25	25		
40-F	2															

AT ALL TIMES NOT MENTIONED, ALL ANIMALS APPEARED NORMAL.

CODE: B = lethargy E = ataxia L = chromorhinorrhea Q = ptosis
 C = flaccid F = piloerection N = tachypnea Z = dead
 D = diarrhea J = chromodacryorrhea O = tremors 2 = anogenital area stained blue
 3 = eyes bulging 4 = throat & cheeks swollen
 5 = body surfaces blue

NECROPSY OBSERVATIONS:	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S
Normal																	
Cannibalized																	
Lungs congested																	
Heart dilated																	
Pleural cavity-excess fluid																	
Stomach distended																	
Intestines distended by mucus																	
Peritoneal walls stained blue																	

CODE: D = death, S = sacrifice
 1 = slight or scattered
 2 = moderate or few
 3 = pronounced, or many
 X = present

TEST FOR SINGLE DOSE/ORAL LD 50 IN RATS

Project #: MB 80-4641 A

Page -12-

Sample #: 1076-00

ADDENDUM

SUMMARY REPORT OF PRELIMINARY SCREEN

METHODS: A preliminary screen was conducted in 1 rat/sex at doses of 0.5, 2.0, 6.0 and 8.0 g/kg. The rats were observed until mortality was unlikely to occur. Mortality was recorded. Survivors were sacrificed but not examined for gross pathology.

RESULTS:	Dose g/kg	Mortality		Day of Death (M/F)		Toxicity
		Males	Females	1	2	
	0.5	0/1	0/1			1,2
	2.0	0/1	1/1	0/1		Q1,2
	6.0	1/1	0/1	1/0		1,2
	8.0	1/1	1/1	0/1	1/0	BFQE1,2

CODE: B = lethargy
E = ataxia
F = piloerection
Q = ptosis
1 = hyperactive
2 = anogenital area stained blue



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

e Anthony Di Battista
Manager, Regulatory Affairs & Toxic Substances Compliance
Toxicology, Regulatory Auditing & Compliance
CIBA-GEIGY Corporation
444 Saw Mill River Road
Ardsley, New York 10502-2699

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

FEB 13 1995

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned 8(e) number when submitting follow-up or supplemental information and refer to the reverse side of this page for "EPA Information Requests".

All TSCA 8(e) submissions are placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA §8(e) policy statement (43 FR 11110, March 16, 1978). Confidential submissions received pursuant to the TSCA §8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims. This information is required and should be submitted if not done so previously. To substantiate claims, submit responses to the questions in the enclosure "Support Information for Confidentiality Claims". This same enclosure is used to support confidentiality claims for non-CAP submissions.

Please address any further correspondence with the Agency related to this TSCA 8(e) submission to:

Document Processing Center (7407)
Attn: TSCA Section 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

Terry R. O'Bryan
Terry R. O'Bryan
Risk Analysis Branch

Enclosure

12129A



Recycled/Recyclable
Printed with Soy/Canola ink on paper that
contains at least 50% recycled fiber

Triage of 8(e) Submissions

Date sent to triage: MAR 08 1995

NON-CAP

CAP

Submission number: 12129A

TSCA Inventory: Y N D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX SBTX SEN

w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX CTOX EPI RTOX GTOX

STOX/ONCO CTOX/ONCO IMMUNO CYTO NEUR

Other (FATE, EXPO, MET, etc.): _____

Notes:

THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY

For Contractor Use Only

entire document: 0 1 2 pages 1,2 pages 1,2,tab

Notes:

Contractor reviewer : LPS

Date: 1/25/95

-CPSS- 1005950831

0 0 0 0 0 0 0 0 0 0
> <ID NUMBER>
8(e)-12129A

> <TOX CONCERN>
L

> <COMMENT>

ACUTE ORAL TOXICITY IN RATS IS LOW CONCERN WITH AN LD50 OF 1.95 G/KG. DOSES (G/KG) AND MORTALITY: 5.0 (3/5 M, 3/5 F), 1.95 (0/5 M, 2/5 F), 3.12 (3/5 M, 3/5 F), 5.0 (4/5 M, 5/5 F), AND 8.01 (3/5 M, 2/5 F). CLINICAL SIGNS INCLUDED LETHARGY, FLACCID, DIARRHEA, ATAXIA, PILOERECTION, CHROMODACRYORRHEA, TREMORS, PTOSIS, HYPERACTIVE, EYES BULGING, SWOLLEN THROAT, THROAT AREA, AND CHEEKS. NECROPSY OF DECEDENTS REVEALED CONGESTED LUNGS, HEART DILATED, PLEURAL CAVITY-EXCESS FLUID, STOMACH DISTENDED, AND DISTENDED INTESTINES WITH MUCUS. NO ABNORMALITIES WERE NOTED IN SURVIVORS AT NECROPSY.

\$\$\$\$